

SAN DIEGO MESA COLLEGE
Innovation Research Lab

CERTIFICATE OF COMPLETION

GRANTED TO

Mohamed Elshal

For completing
Fall 2022 IRL Engineering Workshops
hosted in the Innovation Research Lab



Toni Trejo Parsons

Toni Trejo Parsons, Ed.D.

HISPANIC SERVING INSTITUTION GRANTS
PROGRAM MANAGER

Hamidreza Ghasemi Bahraseman

Hamidreza Ghasemi Bahraseman, Ph.D.

ENGINEERING PROFESSOR

SAN DIEGO MESA COLLEGE
Innovation Research Lab

Fall 2022 IRL Engineering Workshops

1. ANSYS Statics Structural Analysis - Elastic Deformation
2. ANSYS - Non-Linear Plastic Deformation
3. ANSYS Collision Analysis - Impact Simulation
4. ANSYS Dynamics Motion Analysis
5. ANSYS Tensile Strength Test
6. ANSYS Crack Propagation
7. ANSYS Thermal Stress Simulation
8. ANSYS Mass Diffusion Analysis
9. ANSYS Phase Transformation Analysis
10. ANSYS Fluid Dynamics Simulation